

INTERNATIONAL SEARCH REPORT

IB2004/050765

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01L29/872 H01L29/07

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 117 507 A (PACOR BRUNO) 26 September 1978 (1978-09-26) abstract; figures 4,6	1-12
A	WO 83/00776 A (ERICSSON TELEFON AB L M) 3 March 1983 (1983-03-03) abstract; figures 1,3	1-12
A	US 3 649 887 A (KELLER JEAN-PAUL ET AL) 14 March 1972 (1972-03-14) column 1, line 48 - column 2, line 19; figure 1	1-12
A	JP 58 161378 A (TOKYO SHIBAURA DENKI KK) 24 September 1983 (1983-09-24) abstract	1-12

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

2 September 2004

Date of mailing of the international search report

17/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Franche, V

INTERNATIONAL SEARCH REPORT

Information on patent family members

IB2004/050765

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4117507	A	26-09-1978	IT 1063262 B	11-02-1985
			IT 1063522 B	11-02-1985
			BR 7703972 A	18-04-1978
			DE 2728144 A1	05-01-1978
			FR 2356275 A1	20-01-1978
			GB 1525556 A	20-09-1978
			JP 53019771 A	23-02-1978
			SE 422640 B	15-03-1982
			SE 7707068 A	23-12-1977
			BR 7703967 A	16-05-1978
			DE 2728083 A1	12-01-1978
			FR 2356274 A1	20-01-1978
			GB 1525557 A	20-09-1978
			JP 53019772 A	23-02-1978
			SE 422641 B	15-03-1982
			SE 7707251 A	26-12-1977
WO 8300776	A	03-03-1983	SE 427598 B	18-04-1983
			DE 3264667 D1	14-08-1985
			DE 86210 T1	06-12-1984
			DK 179383 A ,B,	22-04-1983
			EP 0086210 A1	24-08-1983
			FI 831227 A ,B,	12-04-1983
			IT 1207305 B	17-05-1989
			NO 831436 A ,B,	22-04-1983
			SE 8105040 A	26-02-1983
			WO 8300776 A1	03-03-1983
US 3649887	A	14-03-1972	BE 754677 A1	18-01-1971
			DE 2036686 A1	04-03-1971
			FR 2058210 A5	28-05-1971
			GB 1285488 A	16-08-1972
			JP 49013436 B	30-03-1974
			MY 43373 A	31-12-1973
			NL 7011785 A	15-02-1971
			SE 371044 B	04-11-1974
			YU 203270 A ,B	31-08-1977
JP 58161378	A	24-09-1983	NONE	